

Title (en)

Disc-shaped recording medium, cutting apparatus for same, and disc drive

Title (de)

Scheibenförmiges Aufzeichnungsmedium, Schneidevorrichtung dafür und Laufwerk

Title (fr)

Support d'enregistrement en forme de disque, appareil de découpage associé et lecteur de disque

Publication

EP 2402949 A2 20120104 (EN)

Application

EP 11183075 A 20020307

Priority

- EP 02703936 A 20020307
- JP 2001068290 A 20010312
- JP 2001122905 A 20010420

Abstract (en)

There is provided an optical disc having preformed thereon a spiral wobbled track as a groove and/or land along with data is to be recorded. The track is wobbled for a series of predetermined signal units each composed of an FSK information bit part based on a waveform resulted from FSK modulation of information bit, and a single-frequency part based on a waveform of a single frequency. The FSK modulation uses two different frequencies of which the one is the same as the single frequency and the other is different from the single frequency. These different frequencies are in such a relation that each of them has an even number of wobbles and an odd number of wobbles alternately in a predetermined cycle.

IPC 8 full level

G11B 7/005 (2006.01); **G11B 7/007** (2006.01); **G11B 7/24** (2006.01); **G11B 7/24082** (2013.01); **G11B 7/26** (2006.01); **G11B 20/10** (2006.01); **G11B 20/12** (2006.01); **G11B 20/14** (2006.01); **G11B 27/19** (2006.01); **G11B 27/24** (2006.01); **G11B 27/30** (2006.01)

CPC (source: EP KR US)

G11B 7/0053 (2013.01 - EP US); **G11B 7/007** (2013.01 - EP KR US); **G11B 7/24082** (2013.01 - EP US); **G11B 7/261** (2013.01 - EP US); **G11B 20/1217** (2013.01 - EP US); **G11B 20/1403** (2013.01 - EP US); **G11B 20/1419** (2013.01 - EP US); **G11B 27/24** (2013.01 - EP US); **G11B 7/00718** (2013.01 - EP US); **G11B 27/3027** (2013.01 - EP US); **G11B 2020/1222** (2013.01 - EP US); **G11B 2020/1239** (2013.01 - EP US); **G11B 2020/1268** (2013.01 - EP US); **G11B 2020/1269** (2013.01 - EP US); **G11B 2020/1287** (2013.01 - EP US); **G11B 2020/1298** (2013.01 - EP US); **G11B 2220/215** (2013.01 - EP US); **G11B 2220/216** (2013.01 - EP US); **G11B 2220/218** (2013.01 - EP US); **G11B 2220/2537** (2013.01 - EP US); **G11B 2220/2541** (2013.01 - EP US); **G11B 2220/2545** (2013.01 - EP US); **G11B 2220/2562** (2013.01 - EP US); **G11B 2220/2566** (2013.01 - EP US); **G11B 2220/257** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2003165095 A1 20030904; **US 7151727 B2 20061219**; AU 2002237554 B2 20080207; BR 0204477 A 20030513; CA 2408216 A1 20020919; CA 2408216 C 20130423; CN 1251196 C 20060412; CN 1461474 A 20031210; EP 1369851 A1 20031210; EP 1369851 A4 20080319; EP 1369851 B1 20120613; EP 2402949 A2 20120104; EP 2402949 A3 20140101; EP 2402950 A2 20120104; EP 2402950 A3 20140101; EP 2444970 A2 20120425; ES 2388660 T3 20121017; HK 1061105 A1 20040903; JP 2002342941 A 20021129; JP 5175413 B2 20130403; KR 100873756 B1 20081215; KR 20030005337 A 20030117; MX PA02010872 A 20030422; PL 220766 B1 20160129; PL 357274 A1 20040726; SG 127736 A1 20061229; SG 130034 A1 20070320; TW 588333 B 20040521; US 2007097826 A1 20070503; US 2007104083 A1 20070510; US 2009161526 A1 20090625; US 2011134728 A1 20110609; US 7391686 B2 20080624; US 7486607 B2 20090203; US 8000192 B2 20110816; US 8254226 B2 20120828; WO 02073607 A1 20020919

DOCDB simple family (application)

US 27583203 A 20030414; AU 2002237554 A 20020307; BR 0204477 A 20020307; CA 2408216 A 20020307; CN 02801208 A 20020307; EP 02703936 A 20020307; EP 11183075 A 20020307; EP 11183128 A 20020307; EP 12151806 A 20020307; ES 02703936 T 20020307; HK 04104093 A 20040608; JP 0202150 W 20020307; JP 2001122905 A 20010420; KR 20027015097 A 20020307; MX PA02010872 A 20020307; PL 35727402 A 20020307; SG 200404748 A 20020307; SG 2004050571 A 20020307; TW 91104496 A 20020311; US 201113024719 A 20110210; US 31423708 A 20081205; US 55928606 A 20061113; US 55930106 A 20061113